

PCT

国際調査報告

(法8条、法施行規則第40、41条) [PCT18条、PCT規則43、44]

出願人又は代理人 F00469 の書類記号 2WO00	今後の手続きについては、国際調査報告の送付通知様式(PCT/ISA/220) 及び下記5を参照すること。
国際出願番号 PCT/JP99/07382	国際出願日 (日.月.年) 27.12.99 優先日 (日.月.年) 28.12.98
出願人 (氏名又は名称) セイコーエプソン株式会社	
国際調査機関が作成したこの国際調査の写しは国際事務局にも送付される	査報告を法施行規則第41条(PCT18条)の規定に従い出願人に送付する。 る。
この国際調査報告は、全部で 2	ページである。
この調査報告に引用された先行	支術文献の写しも添付されている。
l ———	くほか、この国際出願がされたものに基づき国際調査を行った。 れた国際出願の翻訳文に基づき国際調査を行った。
b. この国際出願は、ヌクレオチ この国際出願に含まれる書	ド又はアミノ酸配列を含んでおり、次の配列表に基づき国際調査を行った。 面による配列表
□ この国際出願と共に提出さ	れたフレキシブルディスクによる配列表
	関に提出された書面による配列表
	関に提出されたフレキシブルディスクによる配列表 る配列表が出願時における国際出願の開示の範囲を超える事項を含まない旨の陳述
	た配列とフレキシブルディスクによる配列表に記録した配列が同一である旨の陳述
2. 計求の範囲の一部の調査な	びできない(第 I 欄参照)。
3. 発明の単一性が欠如してい	、る(第Ⅱ欄参照)。
4. 発明の名称は 🗓 出版	頭人が提出したものを承認する。
□ 次(こ示すように国際調査機関が作成した。
_	
5. 要約は 🗵 出版	頭人が提出したものを承認する。
	II欄に示されているように、法施行規則第47条(PCT規則38.2(b))の規定により 際調査機関が作成した。出願人は、この国際調査報告の発送の日から1カ月以内にこ 国際調査機関に意見を提出することができる。
6. 要約售とともに公表される図は、 第 2 図とする。 X 出版	
. 日 田	頭人は図を示さなかった。
□ 本国	図は発明の特徴を一層よく表している。

	国際、工報告	国際出。一号	PCT/JP9	9/07382
A. 発明の属する分野の分類(国際特許分類(IPC))				
Int.	C1' G02F1/1368			
B. 調査を	デった分野 <u></u>			
調査を行った	最小限資料(国際特許分類(IPC))			
. Int.	C1' G02F1/136			
最小限資料以外	外の資料で調査を行った分野に含まれるもの			
	用新案公報 1922-1996年 開実用新案公報 1971-2000年	·		
国際調査で使用	用した電子データベース (データベースの名称、	調査に使用した用語)	, , , , , , , , , , , , , , , , , , , ,	
	ると認められる文献			
引用文献の カテゴリー*	引用文献名 及び一部の箇所が関連すると	ときは、その関連する観	節所の表示	関連する 請求の範囲の番号
A	JP、5-257164、A (シャー993 (08. 10. 93) (ファ	ープ株式会社) 8. ミリーなし)	10月.1	1 — 3 0
A	US、5784132、A (ソニーた 8 (21.07.98) & J P、8-122768、A&E I	株式会社) 2 1. 1 P. 7 0 8 3 5 5	7月. 199 A2	1 - 30
			112	•
	·			
·	•			
	·	•		·
□ C欄の続き	きにも文献が列挙されている。	□ パテントファ	ミリーに関する別	紙を参照。
* 引用文献のカテゴリー 「A」特に関連のある文献ではなく、一般的技術水準を示すもの 「E」国際出願日前の出願または特許であるが、国際出願日以後に公表されたもの 「L」優先権主張に疑義を提起する文献又は他の文献の発行日若しくは他の特別な理由を確立するために引用する文献(理由を付す) 「O」口頭による開示、使用、展示等に言及する文献 「P」国際出願日前で、かつ優先権の主張の基礎となる出願 「&」同一パテントファミリー文献				発明の原理又は理 当該文献のみで発明 さられるもの 当該文献と他の1以 自明である組合せに
国際調査を完了した日				.00
日本国	D名称及びあて先 国特許庁(ISA/JP) 郵便番号100-8915 R毛44R区器が開ラエ日4米3日	特許庁審査官(権限の 藤岡 善名	T AT	2 X 9 2 2 5 内線 3 2 9 5
果 果 泉 和	部千代田区霞が関三丁目4番3号	電話番号 03-35	581-1101	PYROK 3233

0	For receiving Office use only	
0-1	International Application No.	
0-2	International Filing Date	
0-3	Name of receiving Office and "PCT	
	International Application"	
<u> </u>	Form DCT/DO/404 DCT Domicot	
0-4 0-4-1	Form - PCT/RO/101 PCT Request Prepared using	PCT-EASY Version 2.90
		(updated 10.05.2000)
0-5	Petition	
	The undersigned requests that the	, and the second
	present international application be processed according to the Patent	
	Cooperation Treaty	
0-6	Receiving Office (specified by the applicant)	Japanese Patent Office (RO/JP)
0-7	Applicant's or agent's file reference	F004692WO00
T	Title of invention	ELECTRO-OPTICAL DEVICE, METHOD FOR
		FABRICATING THE SAME, AND ELECTRONIC
		APPARATUS
11	Applicant	
11-1	This person is:	applicant only
11-2	Applicant for	all designated States except US
11-4	Name	SEIKO EPSON COPORATION
11-5	Address:	4-1, Nishi-Shinjuku 2-Chome
		Shinjuku-Ku, Tokyo 163-0811
		Japan
11-6	State of nationality	JP
11-7	State of residence	JP
III-1	Applicant and/or inventor	
III-1-1	This person is:	applicant and inventor
111-1-2	Applicant for	US only
111-1-4	Name (LAST, First)	MURADE, Masao
III-1-5	Address:	c/o SEIKO EPSON CORPORATION
	••	3-5, Owa 3-Chome,
		Suwa-Shi, Nagano 392-8502
		Japan
III-1-6	State of nationality	JP
III-1-7	State of residence	JP ·

· <u>···</u>		A STATE OF THE STA
IV-1	Agent or common representative; or address for correspondence	
	The person identified below is hereby/has been appointed to act on behalf of the	agent
	applicant(s) before the competent International Authorities as:	
IV-1-1	Name (LAST, First)	SUZUKI, Kisaburo
IV-1-2	Address:	c/o Intellectual Property Department
	, ideal of the second of the s	SEIKO EPSON CORPORATION
		3-5, Owa 3-Chome
		Suwa-Shi, Nagano 392-8502
11/10	Telephone No.	Japan 0266 52 2120
IV-1-3	Telephone No.	0266-52-3139
IV-1-4	Facsimile No.	0266-58-3243
IV-2	Additional agent(s)	additional agent(s) with same address as
		first named agent
IV-2-1	Name(s)	KAMIYANAGI, Masataka; SUZAWA, Osamu
V	Designation of States	
V-1	Regional Patent (other kinds of protection or treatment, if	
	any, are specified between parentheses	
	after the designation(s) concerned)	
V-2	National Patent	CN JP KR US
	(other kinds of protection or treatment, if any, are specified between parentheses	
	after the designation(s) concerned)	
V-5	Precautionary Designation Statement	
	In addition to the designations made under	
	items V-1, V-2 and V-3, the applicant also	
-	makes under Rule 4.9(b) all designations which would be permitted under the PCT	
	except any designation(s) of the State(s)	· ·
	indicated under item V-6 below. The	
	applicant declares that those additional	
	designations are subject to confirmation	
	and that any designation which is not confirmed before the expiration of 15	
	months from the priority date is to be	
	regarded as withdrawn by the applicant at	
	the expiration of that time limit.	
V-6	Exclusion(s) from precautionary designations	NONE
VI-1	Priority claim of earlier national	
	application	1000 (00 10 1000)
VI-1-1	Filing date	28 December 1998 (28.12.1998)
VI-1-2	Number	10-373588(P)·
VI-1-3	Country	JP
VI-2	Priority document request	
	The receiving Office is requested to	VI-1
	prepare and transmit to the International Bureau a certified copy of the earlier	
	application(s) identified above as item(s):	

/II-1	International Searching Authority Chosen	Japanese Patent Office (JPO) (ISA/JP)		
VIII	Check list	number of sheets	electronic file(s) attached	
/iii-1	Request	3	-	
VIII-2	Description	41	_	
VIII-3	Claims	6	-	
VIII-4	Abstract	1	f004692wo00	
VIII-5	Drawings	19	-	
√III-7	TOTAL	70		
-	Accompanying items	paper document(s) attached	electronic file(s) attached	
VIII-8	Fee calculation sheet	√	_	
VIII-9	Separate signed power of attorney	√	_	
VIII-16	PCT-EASY diskette	_	diskette	
VIII-18	Figure of the drawings which should accompany the abstract	2		
VIII-19	Language of filing of the international application	Japanese		
IX-1	Signature of applicant or agent			
IX-1-1	Name (LAST, First)	SUZUKI, Kisaburo		
X-2	Signature of applicant or agent			
		_		
X-2-1	Name (LAST, First)	KAMIYANAGI, Masataka		
X-3	Signature of applicant or agent		•	
IX-3-1	Name (LAST, First)	SUZAWA, Osamu		

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10-1	Date of actual receipt of the purported international application		 	 	
10-2	Drawings:				
10-2-1	Received				
10-2-2	Not received				
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application				
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)		-	,	
10-5	International Searching Authority	ISA/JP			
10-6	Transmittal of search copy delayed until search fee is paid				

FOR INTERNATIONAL BUREAU USE ONLY

11-1	Date of receipt of the record copy by	
	the international Bureau	

PATENT COOPERATION TREATY PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 an 44)

see Notification of Transmittal of International Search Report

FOR FURTHER

F004692WO00	ACTION (Form PCT/ISA/220) as well as, were applicable, item 5 below.			
International application No.	International filing date (day/month/year)	(Earliest) Priority date (day/month/year)	
PCT/JP99/07382 27. 12. 99 28. 12. 98				
Applicant				
Seiko Epson Corporation				
This international search report has been prepaccording to Article 18. A copy is being trans This international search report consists of a It is also accompanied by a copy	smitted to the International B total of 2 sheets.	ureau.	is transmitted to the applicant	
 It is also accompanied by a copy of each prior art document cited in this report. The basis of International Search Report a. The international search was carried out on the basis of the language in which this international application was filed exclusive of the cases indicated below. ☐ The international search was carried out on the basis of the translation of the international application submitted to this International Search Authority. b. The international application contains disclosure of a nucleotide and/or amino acid sequence listing and the international search was carried out on the basis of the sequence listing. ☐ The sequence listing in writing contained in this international application. ☐ The sequence listing in flexible disk submitted with this international application. ☐ The sequence listing in flexible disk submitted to this International Search Authority after the application. ☐ Written statement was submitted, that the sequence listing in writing submitted after the application did not contain matters which exceed the scope of the disclosure of the international application on application. ☐ Written statement was submitted, that the sequence mentioned in the sequence listing in writing and the sequence recorded in the sequence listing in flexible disk are identical. 				
2. Certain claims were found unsearch	hable (see Box I).			
3. Unity of invention is lacking (see	Box II).			
	s approved as submitted by the as been established by this A		lows:	
Box I	ext has been established, acco	rding to Rule 38.2(b), a one month from the d	, by this Authority as it appears in date of mailing of this international	
6. The figure of the drawings to be public	shed with the abstract is:			
Figure No. 2 as sug	gested by the applicant. se the applicant failed to sugg se this figure better character		None of the figures.	

Applicant's or agent's file reference

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP99/07382

A. CLASSIFICATION OF SUBJECT MATTER Int. C17 G02F1/1368					
According to	According to International Patent Classification (IPC) or to both national classification and IPC				
	S SEARCHED				
Minimum do	ocumentation searched (classification system followed Int. Cl7 G02F1/136	by classification symbols)			
Jits Koka	ion searched other than minimum documentation to the uyo Shinan Koho 1922-1996 i Jitsuyo Shinan Koho 1971-2000				
Electronic d	ata base consulted during the international search (nam	e of data base and, where practicable, sear	ch terms used)		
			· <u>-</u> .		
C. DOCU	MENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where ap	· ·	Relevant to claim No.		
A	JP, 5-257164, A (Sharp Corporat 08 October, 1993 (08.10.93) (cion), Family: none)	1-30		
A	US, 5784132, A (Sony Corporation 21 July, 1998 (21.07.98) & JP, 8-122768, A & EP, 7083		1-30		
	r documents are listed in the continuation of Box C.	See patent family annex.			
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed Date of the actual completion of the international search O March, 2000 (07.03.00) "I" later document published after the international filing date and not in conflict with the application but understand the principle or theory underlying the invention considered novel or cannot be considered to involve an step when the document of particular relevance; the claimed invention considered to involve an inventive step when the document of particular relevance; the claimed invention considered to involve an inventive step when the document of particular relevance; the claimed document of particular relevance; the claimed invention considered to involve an inventive step when the document of particular relevance; the claimed document of particular relevance; the claimed invention considered to involve an inventive step when the document of particular relevance; the claimed invention considered to involve an inventive step when the document of particular relevance; the claimed invention considered to involve an inventive step when the document of particular relevance; the claimed document of particular relevance; the claimed invention considered to involve an inventive step when the document of particular relevance; the claimed invention considered to involve an inventive step when the document of particular relevance; the claimed invention considered to involve an inventive step when the document of particular relevance; the claimed invention consid		e application but cited to briying the invention laimed invention cannot be ed to involve an inventive laimed invention cannot be when the document is documents, such skilled in the art amily			
Name and m	nailing address of the ISA/	A shadada 65 and			
Japa	nese Patent Office	Authorized officer			
Facsimile No	ɔ .	Telephone No.			

Form PCT/ISA/210 (second sheet) (July 1992)